

## CLAIMS

What is claimed is:

*sub a1* 1. A method of testing a first program comprising:  
2 reading an input file containing a location of a first program, identifiers of other  
3 programs to be invoked by the first program, and arguments to be passed  
4 to the other programs;  
5 executing the first program including invoking the other programs and passing the  
6 arguments to the other programs; and  
7 generating one or more log files based on results of execution of the first program.

*sub a1* 1 2. The method of claim 1, where said input file further includes special commands.

*sub a1* 1 3. The method of claim 2, where said special commands include:  
2 a loop command that causes execution of the first program to repeat, for a  
3 specified number of iterations, subsequent instructions until the  
4 occurrence of an endloop instruction; and  
5 a sleep command that causes execution of the first program to pause for a  
6 specified time.

*sub a1* 4. The method of claim 1, where said input file is a text file.

1 5. The method of claim 1, where said first program is a Java Bean.

1 6. The method of claim 1, where said other programs are an Application Program  
2 Interface (API).

1 7. The method of claim 1, where executing the first program further comprises  
2 sending commands to an Automatic Call Distributor (ACD) switch through a CTI  
3 server.

1 8. The method of claim 1, where said log file is a text file.

1 9. The method of claim 1, where each entry in said log file is date and time stamped.

1 10. The method of claim 1, where contents of one or more log files are  
2 based on results of execution of the first program and the other programs.

1 11. The method of claim 1, where contents of one or more log files are  
2 based on results of execution of the first program and responses from an  
3 Automatic Call Distributor (ACD) switch.

1 12. The method of claim 1, further comprising checking results of program testing by:  
2 generating one or more files containing expected results of execution of the first  
3 program and the other programs; and

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comparing one or more of the files containing expected results to one or more of  
said one or more log files.

1 13. A system comprising:  
2 a storage device having stored therein a routine for testing a first program; and  
3 a processor coupled to the storage device to execute the routine for testing of the  
4 first program such that execution of said routine causes the processor to:  
5 read an input file containing a location of the first program, identifiers of  
6 other programs to be invoked by the first program, and arguments  
7 to be passed to the other programs,  
8 execute the first program including invoking the other programs and  
9 passing the arguments to the other programs, and  
10 generate one or more log files based on results of execution of the first  
11 program.

1 14. The system of claim 13, where said input file further includes special commands.  
1 15. The system of claim 14, where said special commands include:  
2 a loop command that causes execution of the first program to repeat, for a  
3 specified number of iterations, subsequent instructions until the  
4 occurrence of an endloop instruction; and

5 a sleep command which causes execution of the first program to pause for a  
6 specified time.

*July 16.* 16. The system of claim 13, where said input file is a text file.

1 17. The system of claim 13, where said first program is a Java Bean.

1 18. The system of claim 13, where said other programs are part of an Application  
2 Program Interface (API).

1 19. The system of claim 13, where execution of the first program further comprises  
2 making calls to an Automatic Call Distribution (ACD) switch.

1 20. The system of claim 13, where said log file is a text file.

1 21. The system of claim 13, where each entry in said log file is date and time  
2 stamped.

1 22. The system of claim 13, where contents of said one or more log files are based on  
2 results of execution of the first program and the other programs.

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23. The system of claim 13, where contents of said one or more log files are based on results of execution of the first program and responses from an Automatic Call Distributor (ACD) switch.

1 24. The system of claim 13, further comprising instructions for checking results of  
2 program testing such that execution of the instructions causes the processor to:  
3 generate one or more files containing expected results of execution of the first  
4 program and the other programs; and  
5 compare one or more of the files containing expected results to one or more of the  
6 log files.

1 25. A computer readable medium having stored thereon instructions which, when  
2 executed by a general purpose machine, test a first program by causing the  
3 general purpose machine to:  
4 read an input file containing a location of the first program, identifiers of other  
5 programs to be invoked by the first program, and arguments to be passed  
6 to the other programs;  
7 execute the first program including invoking the other programs listed and  
8 passing the arguments to the other programs; and  
9 generate one or more log files based on results of execution of the first program.

1 26. The computer readable medium of claim 25, where said input file further includes  
2 special commands.

1 27. The computer readable medium of claim 26, where said special commands  
2 include:

3 a loop command which causes execution of the first program to repeat for a  
4 specified number of iterations all subsequent instructions until the  
5 occurrence of an endloop instruction; and  
6 a sleep command which causes execution of the first program to pause for a  
7 specified time.

1 28. The computer readable medium of claim 25, where said input file is a text file.

1 29. The computer readable medium of claim 25, where said first program is a Java  
2 Bean.

1 30. The computer readable medium of claim 25, where said other programs are part  
2 of an Application Program Interface (API).

1 31. The computer readable medium of claim 25, where executing the first program  
2 further comprises making calls to an Automatic Call Distributor (ACD) switch.

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1 32. The computer readable medium of claim 25, where said log file is a text file.

1 33. The computer readable medium of claim 25, where each entry in said log file is  
2 date and time stamped.

1 34. The computer readable medium of claim 25, where contents of one of said one or  
2 more log files are based on results of execution of the first program and the other  
3 programs.

1 35. The computer readable medium of claim 25, where contents of one of said one or  
2 more log files are based on results of execution of the first program and responses  
3 from an Automatic Call Distributor (ACD) switch.

1 36. The computer readable medium of claim 25, further comprising instructions for  
2 checking results of program testing such that execution of the instructions causes  
3 the processor to:  
4 generate one or more files containing expected results of execution of the first  
5 program and the other programs; and  
6 compare one or more of the file containing expected results to one or more of said  
7 one or more log files.